

## CLAIMS

The principles of this invention having been fully explained in connection with the foregoing, we hereby claim as our invention:

1. A cleaning spray nozzle which comprises
  - a nozzle body including an inlet for receiving water, an outlet for discharging water and a water flow continuum between the inlet and the outlet,
  - a cartridge releasably secured to a portion of the nozzle body for containing a chemical therewithin,
  - means for selectively dispensing the chemical into water flowing through the nozzle body, and
  - a mechanism for actuating the dispensing means, whereby the dispensing mechanism is used to selectively dispense the chemical from the cartridge into the water flow.
2. The spray nozzle of claim 1 wherein the cartridge is releasably attached at the inlet of the nozzle body.
3. The spray nozzle of claim 2 wherein the dispensing mechanism is disposed on the nozzle body.
4. The spray nozzle of claim 1 wherein the cartridge is

releasably attached at the outlet of the nozzle body.

5. The spray nozzle of claim 4 wherein the dispensing mechanism is disposed on the cartridge.

6. The spray nozzle of claim 4 wherein the cartridge and dispensing mechanism are rotatably mounted at the outlet of the nozzle body.

7. The spray nozzle of claim 1 wherein the cartridge and dispensing mechanism are configured within the spray nozzle and functionally disposed between the inlet and the outlet of the nozzle body.

8. The spray nozzle of claim 1 wherein the cartridge is formed from a plastic material.

9. The spray nozzle of claim 1 wherein the cartridge is generally translucent such that the contents of the cartridge are visible to a user.

10. The spray nozzle of claim 1 wherein the cartridge is adapted to hold a chemical in liquid, solid, granule, or other form within the cartridge.

11. A spray nozzle for dispensing an amount of a chemical into a water stream flowing from the spray nozzle which comprises a nozzle body having an inlet end, an outlet end, and a valve operating mechanism disposed between

the inlet end and the outlet end,  
a chemical containing cartridge attached to the nozzle  
body,  
a mechanism for delivering the chemical contained  
within the cartridge to a stream of water flowing  
through the spray nozzle, and  
means for operating the valve operating mechanism to  
dispense the stream of water from the nozzle  
body,  
whereby the user may selectively dispense water only  
or water combined with the chemical from the  
spray nozzle.

12. The spray nozzle of claim 11 including means for  
adjusting the dispensing mechanism to control the amount of chemical to  
be dispensed prior to actuating the valve operating mechanism.

13. The spray nozzle of claim 11 wherein the cartridge is  
releasably attached to the inlet end of the nozzle body.

14. The spray nozzle of claim 13 wherein the dispensing  
mechanism is disposed on the nozzle body.

15. The spray nozzle of claim 11 wherein the cartridge is  
releasably attached to the outlet end of the nozzle body.

16. The spray nozzle of claim 15 wherein the dispensing mechanism is disposed on the cartridge.

17. The spray nozzle of claim 4 wherein the cartridge and dispensing mechanism are rotatably mounted to the outlet end of the spray nozzle.

18. The spray nozzle of claim 11 wherein the cartridge and dispensing mechanism are configured within the spray nozzle and functionally disposed between the inlet and the outlet of the spray nozzle.

19. The spray nozzle of claim 11 wherein the cartridge is formed from a plastic material.

20. The spray nozzle of claim 11 wherein the cartridge is generally translucent such that the contents of the cartridge are visible to a user.

21. The spray nozzle of claim 11 wherein the cartridge is adapted to hold a chemical in liquid, solid, granule, powder, or other form within the cartridge.